OIPE

```
        RAW SEQUENCE LISTING              DATE: 02/12/2001
        PATENT APPLICATION:  US/09/756,830   TIME: 11:35:02

        Input Set : A:\810-02sl.txt
        Output Set: N:\CRF3\02122001\I756830.raw
```

Does Not Comply Corrected Diskette Needed

```
        3 <110> APPLICANT: Brenner, Sydney
        4         Williams, Steven R.
W--> 5 <120> TITLE OF INVENTION: Enzymatic synthesis of oligonucleotide tags
W--> 6 <130> FILE REFERENCE: 810-02
W--> 7 <140> CURRENT APPLICATION NUMBER:
C--> 8 <141> CURRENT FILING DATE: 2001-01-08
W--> 9 <150> PRIOR APPLICATION NUMBER:
W--> 10 <151> PRIOR FILING DATE:
W--> 11 <160> NUMBER OF SEQ ID: 26
       12 <170> SOFTWARE: Microsoft Word97
```

Heading here is only required if there is a response

```
ERRORED SEQUENCES
```
Number of bases differ:

```
      130 <210> SEQ ID NO: 11
      131 <211> LENGTH: 36
      132 <212> TYPE: DNA
      133 <213> ORGANISM: Artificial Sequence
W--> 134 <220> FEATURE: No special biological significance.
W--> 134 <220> FEATURE: No special biological significance
W--> 135 <221> NAME/KEY: Adaptor.
      136 <223> LOCATION: N.a.
      137 <223> OTHER INFORMATION: N.a.
W--> 138 <400> SEQUENCE: 11
E--> 139 gttatcggag gagatgaagac ggddddddddd ddddgg
```

36 listed
37 shown

36

⟨220⟩ is a blank line feature. ⟨220⟩, ⟨221⟩, ⟨222⟩, ⟨223⟩ are only required when there is a mandatory response.

Example:

⟨213⟩ Artificial Sequence

⟨220⟩
⟨223⟩ Adaptor

This grouping contains 11 bases. No more than 10 may comprise a group.

```
<210> 1
<211> 58
<212> DNA
<213> Artificial Sequence
<220> No special biological significance.
<221>
<222>
<223>  ──→  No response as to the source of the artificial
                                                      Sequence
<400> 1
cgacacctgc agaggagatg aagacgaddd dddddgggcc catgctgcaa     50
gcttaccg                                                  58


<210> 2
<211> 17
<212> DNA
<213> Artificial Sequence
<220> No special biological significance.
<223>  <221> Primer.
<222> n.a.
<223>
<400> 2
cgacacctgc agaggag                                        17


<210> 3
<211> 17
<212> DNA
<213> Artificial Sequence
<220> No special biological significance.
<223>  <221> Primer.
<222> n.a.
<223>
<400> 3
cggtaagctt gcagcat                                        17


<210> 4
<211> 55
<212> DNA
<213> Artificial Sequence
<220> No special biological significance.
<223>  <221> Adaptor.
<222> n.a.
<223>
<400> 4
aattgttaat taaggatgag ctcactcctc gggcccgcat aagtcttcga     50
attcg                                                     55
```

✳ **The types of errors shown exist <u>throughout</u> the Sequence Listing. Please check** ✳
subsequent sequences for similar errors.

VERIFICATION SUMMARY
PATENT APPLICATION: US/09/756,830

DATE: 02/12/2001
TIME: 11:35:03

Input Set : A:\810-02sl.txt
Output Set: N:\CRF3\02122001\I756830.raw

```
L:5 M:283 W: Missing Blank Line separator, <120> field identifier
L:6 M:283 W: Missing Blank Line separator, <130> field identifier
L:7 M:283 W: Missing Blank Line separator, <140> field identifier
L:8 M:271 C: Current Filing Date differs, Replaced Current Filing Date
L:9 M:256 W: Invalid Numeric Header Field, <150> PRIOR APPLICATION NUMBER:
L:10 M:256 W: Invalid Numeric Header Field, Wrong Prior FILING DATE:YYYY-MM-DD
L:11 M:283 W: Missing Blank Line separator, <160> field identifier
L:18 M:283 W: Missing Blank Line separator, <220> field identifier
L:18 M:256 W: Invalid Numeric Header Field, <220> has non-blank data
L:19 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:1
L:22 M:283 W: Missing Blank Line separator, <400> field identifier
L:30 M:283 W: Missing Blank Line separator, <220> field identifier
L:30 M:256 W: Invalid Numeric Header Field, <220> has non-blank data
L:31 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:2
L:34 M:283 W: Missing Blank Line separator, <400> field identifier
L:41 M:283 W: Missing Blank Line separator, <220> field identifier
L:41 M:256 W: Invalid Numeric Header Field, <220> has non-blank data
L:42 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:3
L:45 M:283 W: Missing Blank Line separator, <400> field identifier
L:52 M:283 W: Missing Blank Line separator, <220> field identifier
L:52 M:256 W: Invalid Numeric Header Field, <220> has non-blank data
L:53 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:4
L:56 M:283 W: Missing Blank Line separator, <400> field identifier
L:64 M:283 W: Missing Blank Line separator, <220> field identifier
L:64 M:256 W: Invalid Numeric Header Field, <220> has non-blank data
L:65 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:5
L:68 M:283 W: Missing Blank Line separator, <400> field identifier
L:76 M:283 W: Missing Blank Line separator, <220> field identifier
L:76 M:256 W: Invalid Numeric Header Field, <220> has non-blank data
L:77 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:6
L:80 M:283 W: Missing Blank Line separator, <400> field identifier
L:87 M:283 W: Missing Blank Line separator, <220> field identifier
L:87 M:256 W: Invalid Numeric Header Field, <220> has non-blank data
L:88 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:7
L:91 M:283 W: Missing Blank Line separator, <400> field identifier
L:98 M:283 W: Missing Blank Line separator, <220> field identifier
L:98 M:256 W: Invalid Numeric Header Field, <220> has non-blank data
L:99 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:8
L:102 M:283 W: Missing Blank Line separator, <400> field identifier
L:110 M:283 W: Missing Blank Line separator, <220> field identifier
L:110 M:256 W: Invalid Numeric Header Field, <220> has non-blank data
L:111 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:9
L:114 M:283 W: Missing Blank Line separator, <400> field identifier
L:122 M:283 W: Missing Blank Line separator, <220> field identifier
L:122 M:256 W: Invalid Numeric Header Field, <220> has non-blank data
L:123 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:10
L:126 M:283 W: Missing Blank Line separator, <400> field identifier
L:134 M:283 W: Missing Blank Line separator, <220> field identifier
```

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```
L:134 M:256 W: Invalid Numeric Header Field, <220> has non-blank data
L:135 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:11
L:138 M:283 W: Missing Blank Line separator, <400> field identifier
L:139 M:254 E: No. of Bases conflict, LENGTH:Input:36 Counted:37 SEQ:11
L:139 M:252 E: No. of Seq. differs, <211>LENGTH:Input:36 Found:37 SEQ:11
L:145 M:283 W: Missing Blank Line separator, <220> field identifier
L:145 M:256 W: Invalid Numeric Header Field, <220> has non-blank data
L:146 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:12
L:149 M:283 W: Missing Blank Line separator, <400> field identifier
L:157 M:283 W: Missing Blank Line separator, <220> field identifier
L:157 M:256 W: Invalid Numeric Header Field, <220> has non-blank data
L:158 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:13
L:161 M:283 W: Missing Blank Line separator, <400> field identifier
L:169 M:283 W: Missing Blank Line separator, <220> field identifier
L:169 M:256 W: Invalid Numeric Header Field, <220> has non-blank data
L:170 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:14
L:173 M:283 W: Missing Blank Line separator, <400> field identifier
L:181 M:283 W: Missing Blank Line separator, <220> field identifier
L:181 M:256 W: Invalid Numeric Header Field, <220> has non-blank data
L:182 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:15
L:185 M:283 W: Missing Blank Line separator, <400> field identifier
L:193 M:283 W: Missing Blank Line separator, <220> field identifier
L:193 M:256 W: Invalid Numeric Header Field, <220> has non-blank data
L:194 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:16
L:197 M:283 W: Missing Blank Line separator, <400> field identifier
L:206 M:283 W: Missing Blank Line separator, <220> field identifier
L:206 M:256 W: Invalid Numeric Header Field, <220> has non-blank data
L:207 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:17
L:210 M:283 W: Missing Blank Line separator, <400> field identifier
L:219 M:283 W: Missing Blank Line separator, <220> field identifier
L:219 M:256 W: Invalid Numeric Header Field, <220> has non-blank data
L:220 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:18
L:223 M:283 W: Missing Blank Line separator, <400> field identifier
L:231 M:283 W: Missing Blank Line separator, <220> field identifier
L:231 M:256 W: Invalid Numeric Header Field, <220> has non-blank data
L:232 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:19
L:235 M:283 W: Missing Blank Line separator, <400> field identifier
L:243 M:283 W: Missing Blank Line separator, <220> field identifier
L:243 M:256 W: Invalid Numeric Header Field, <220> has non-blank data
L:244 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:20
L:247 M:283 W: Missing Blank Line separator, <400> field identifier
L:256 M:283 W: Missing Blank Line separator, <220> field identifier
L:256 M:256 W: Invalid Numeric Header Field, <220> has non-blank data
L:257 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:21
L:260 M:283 W: Missing Blank Line separator, <400> field identifier
L:268 M:283 W: Missing Blank Line separator, <220> field identifier
L:268 M:256 W: Invalid Numeric Header Field, <220> has non-blank data
L:269 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:22
L:272 M:283 W: Missing Blank Line separator, <400> field identifier
```

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          Input Set : A:\810-02sl.txt
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L:281 M:283 W: Missing Blank Line separator, <220> field identifier
L:281 M:256 W: Invalid Numeric Header Field, <220> has non-blank data
L:282 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:23
L:285 M:283 W: Missing Blank Line separator, <400> field identifier
L:294 M:256 W: Invalid Numeric Header Field, <220> has non-blank data
L:295 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:24
L:306 M:256 W: Invalid Numeric Header Field, <220> has non-blank data
L:307 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:25
L:318 M:256 W: Invalid Numeric Header Field, <220> has non-blank data
L:319 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:26